

NOTES:

All plans are to be read in conjunction with Awa Architecture Plan Set and Maven Civil Plan Set.

Prior to excavating tree pits and planting specimen trees, confirm on site there are no clashes with underground services. Notify the Landscape Architect if any clashes are likely to occur.

All trees shall be at least 1.5m high at the time of planting and once established must be maintained at a height of at least 3m thereafter (with the exception of any proposed fruit trees)

2.0m Wide Residential Lot Buffer Planting

Code	Botanical Name	Common Name	Grade	Spacing
Option One - Native Specimen Mixed Buffer				
	<i>Kunzea ericoides</i>	kanuka	5L	1.2m
	<i>Leptospermum scoparium</i>	manuka	5L	1.2m
	<i>Myrsine australis</i>	māpou	5L	1.2m
	<i>Phormium cookianum</i>	wharariki	5L	1.2m
	<i>Pittosporum crassifolium</i>	karo	5L	1.2m
	<i>Knightia excelsa</i>	rewarewa	5L	1.2m
	<i>Sophora microphylla</i>	kōwhai	5L	1.2m

Option Two - Single Specimen Hedge w/ Low Border Planting

Hedge Options

Code	Botanical Name	Common Name	Grade	Spacing
	<i>Camellia Setsugekka</i>	Camellia	15L	1.2m
	<i>Griselinia 'Broadway Mint'</i>	kapuka	15L	1.2m
	<i>Pittosporum 'Reverend Green'</i>	kāhūhū	15L	1.2m
	<i>Photinia 'Red Robin'</i>	Photinia	15L	1.2m
	<i>Viburnum tinus</i>	Viburnum	15L	1.2m

Low Border Planting Options - Front

Code	Botanical Name	Common Name	Grade	Spacing
	<i>Chionochloa flavicans</i>	haumata	2L	0.75m
	<i>Trachelospermum jasminoides</i>	star jasmine	2L	0.75m
	<i>Westringia fruticosa 'Mund'</i>	westringia	2L	0.75m
	<i>Carex testacea</i>	carex	2L	0.75m
	<i>Hebe townsonii</i>	hebe	2L	0.75m
	<i>Lomandra 'Tanika'</i>	lomandra	2L	0.75m
	<i>Phormium 'Emerald Green'</i>	dwarf flax	2L	0.75m

Notes:

- Species are to be planted in isolation to create a diverse and natural-looking buffer.
- 0.8 Plants per m² (triangular planting)

Notes:

- Hedge to be maintained at a 2.5m high minimum.
- 2 Plants per m²

Code	Botanical Name	Common Name	Grade	Spacing
Specimen Trees - Streets				
	<i>Acer palmatum</i>	Japanese maple	45L	Marked
	<i>Alectryon excelsus</i>	titoki	45L	Marked
	<i>Carpinus betulus 'Fastigiata'</i>	upright hornbeam	45L	Marked
	<i>Haberia papulnea</i>	houhere	45L	Marked
	<i>Knightia excelsa</i>	rewarewa	45L	Marked
	<i>Phyllocladus trichomanoides</i>	tānekaha	45L	Marked
	<i>Plagianthus regius</i>	manatu	45L	Marked
	<i>Prumnopitys ferruginea</i>	miro	45L	Marked
	<i>Lagerstrœmia indica</i>	crepe myrtle	45L	Marked
	<i>Quercus rubra</i>	red oak	45L	Marked
	<i>Sophora microphylla</i>	kōwhai	45L	Marked
	<i>Vitex lucens</i>	pūriri	45L	Marked

RGM Rain Garden Planting Mix

Code	Botanical Name	Common Name	Grade	Spacing
	<i>Apodasmia similis</i>	oi oi	2L	0.75m
	<i>Blechnum novae-zelandiae</i>	kiokio	2L	0.75m
	<i>Carex secta</i>	pūrei	2L	0.75m
	<i>Coprosma acerosa</i>	sand Coprosma	2L	0.75m
	<i>Corokia cotoneaster</i>	korokio	2L	0.75m
	<i>Dianella nigra</i>	turutu	2L	0.75m
	<i>Muehlenbeckia complexa</i>	pohuehue	2L	0.75m
	<i>Phormium cookianum</i>	wharariki	2L	0.75m
	<i>Pseudopanax crassifolius</i>	horoeka	10L	1m

AP Amenity Planting Mix

Code	Botanical Name	Common Name	Grade	Spacing
	<i>Coprosma 'Hawera'</i>	groundcover Coprosma	2L	1m
	<i>Dianella nigra</i>	turutu	2L	1m
	<i>Hebe 'Wiri Mist'</i>	shrubby Veronica	2L	1m
	<i>Phormium cookianum</i>	wharariki	2L	1m

MHB Mid Height Buffer Planting Mix

Code	Botanical Name	Common Name	Grade	Spacing
	<i>Austroderia fulvida</i>	toetoe	2L	1.2m
	5% <i>Coprosma robusta</i>	karamu	2L	1.2m
	5% <i>Leptospermum scoparium</i>	manuka	2L	1.2m
	<i>Macropiper excelsum</i>	kawakawa	2L	1.2m
	<i>Machaerina sinclairii</i>	pepepe	2L	1.2m
	5% <i>Olearia solandri</i>	coastal shrub daisy	2L	1.2m
	<i>Phormium cookianum</i>	wharariki	2L	1.2m
	5% <i>Sophora microphylla</i>	kōwhai	2L	1.2m

Notes:

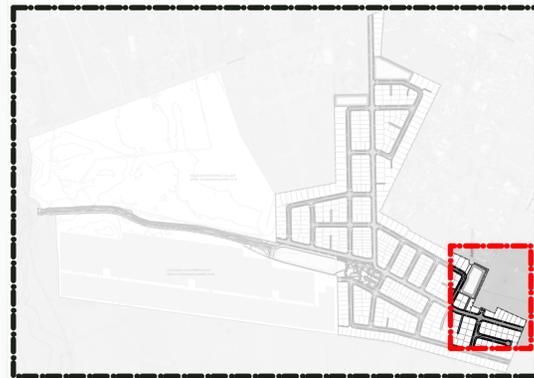
- Planting mixes to be planted in species groups of 3 min. for small areas (<9m²) and 5 min. for larger areas (>9m²)

Hardscape Surfaces

Code	Description	Material
	Standard concrete - Pedestrian & Vehicular	Standard concrete, 4kg black oxide per m ³ , broom finish
	Exposed aggregate concrete - Vehicular	Standard concrete with Firth 'Mountain Burst' aggregate, exposed aggregate finish
	Hoggin Limestone	Hoggin Limestone Gap 6
	Bark mulch	Cambium bark mulch
	Lawn	PGG Wrightson DuraVeg® Berm Mix Sowing Rate: 30-50g/m ²
	Asphalt	By others

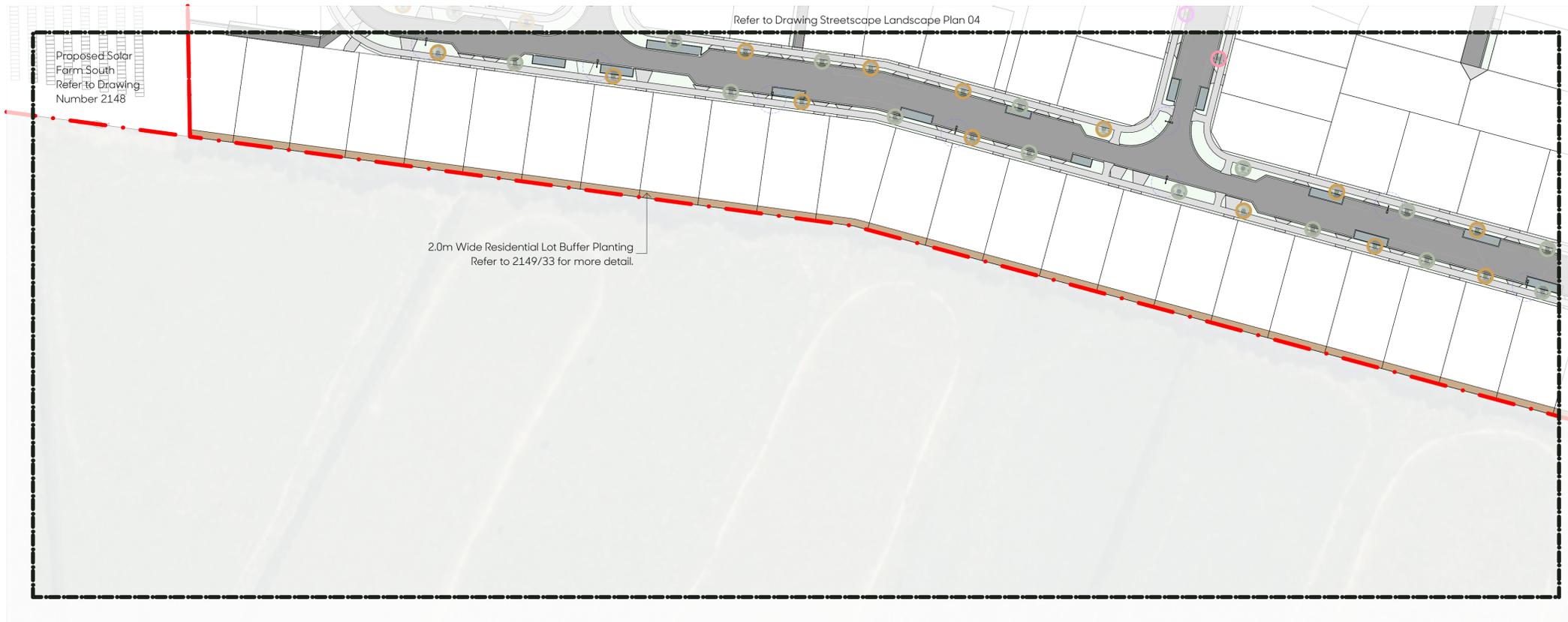
LEGEND

- Boundary Scope of Work
- Specimen Trees w/ Bark Mulch
- Lawn
- Rain Gardens
- Standard Concrete
- Asphalt
- Hoggin Limestone
- Street Light (w/8m radial exclusion zone)



SPECIMEN TREES





STREETSCAPE LANDSCAPE PLAN 06



STREETSCAPE LANDSCAPE PLAN 07

Code	Botanical Name	Common Name	Grade	Spacing
Specimen Trees - Streets				
●	<i>Acer palmatum</i>	Japanese maple	45L	Marked
●	<i>Alectryon excelsus</i>	titoki	45L	Marked
●	<i>Carpinus betulus 'Fastigiata'</i>	upright hornbeam	45L	Marked
●	<i>Hoheria populnea</i>	houhere	45L	Marked
●	<i>Knightia excelsa</i>	rewarewa	45L	Marked
●	<i>Phyllocladus trichomanoides</i>	tānekaha	45L	Marked
●	<i>Plagianthus regius</i>	manatu	45L	Marked
●	<i>Prumnopitys ferruginea</i>	miro	45L	Marked
●	<i>Lagerstræmia indica</i>	crepe myrtle	45L	Marked
●	<i>Quercus rubra</i>	red oak	45L	Marked
●	<i>Sophora microphylla</i>	kōwhai	45L	Marked
●	<i>Vitex lucens</i>	pūriri	45L	Marked
RGM Rain Garden Planting Mix				
	<i>Apodasmia similis</i>	oi oi	2L	0.75m
	<i>Blechnum novae-zelandiae</i>	kiokio	2L	0.75m
	<i>Carex secta</i>	pārei	2L	0.75m
	<i>Caprosma acerosa</i>	sand Coprosma	2L	0.75m
	<i>Corokia cotoneaster</i>	korokio	2L	0.75m
	<i>Dianella nigra</i>	turutu	2L	0.75m
	<i>Muehlenbeckia complexa</i>	pohuehue	2L	0.75m
	<i>Phormium cookianum</i>	wharariki	2L	0.75m
	<i>Pseudopanax crassifolius</i>	horoeka	10L	1m
AP Amenity Planting Mix				
	<i>Caprosma 'Hawera'</i>	groundcover Caprosma	2L	1m
	<i>Dianella nigra</i>	turutu	2L	1m
	<i>Hebe 'Wiri Mist'</i>	shrubby Veronica	2L	1m
	<i>Phormium cookianum</i>	wharariki	2L	1m
Hardscape Surfaces				
■	Standard concrete - Pedestrian & Vehicular	Standard concrete, 4kg black oxide per m3, broom finish		
■	Exposed aggregate concrete - Vehicular	Standard concrete with Firth Mountain Burst aggregate, exposed aggregate finish		
■	Hoggin Limestone	Hoggin Limestone Gap 6		
■	Bark mulch	Cambium bark mulch		
■	Lawn	PGG Wrightson DuraVeg® Berm Mix		
		Sowing Rate: 30-50g/m2		
■	Asphalt	By others		

SPECIMEN TREES



Code	Botanical Name	Common Name	Grade	Spacing
2.0m Wide Residential Lot Buffer Planting				
Option One - Native Specimen Mixed Buffer				
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	<i>Leptospermum scoparium</i>	manuka	5L	1.2m
	<i>Myrsine australis</i>	māpou	5L	1.2m
	<i>Phormium cookianum</i>	wharariki	5L	1.2m
	<i>Pittosporum crassifolium</i>	karo	5L	1.2m
	<i>Knightia excelsa</i>	rewarewa	5L	1.2m
	<i>Sophora microphylla</i>	kōwhai	5L	1.2m
Option Two - Single Specimen Hedge w/ Low Border Planting				
Hedge Options				
	<i>Camellia Setsugekka</i>	Camellia	15L	1.2m
	<i>Griselinia Broadway Mint</i>	kapuka	15L	1.2m
	<i>Pittosporum 'Reverend Green'</i>	kāhaha	15L	1.2m
	<i>Photinia 'Red Robin'</i>	Photinia	15L	1.2m
	<i>Viburnum tinus</i>	Viburnum	15L	1.2m
Low Border Planting Options - Front				
	<i>Chionochloa flavicans</i>	haumata	2L	0.75m
	<i>Trachelospermum jasminoides</i>	star jasmine	2L	0.75m
	<i>Westringia fruticosa 'Mundi'</i>	westringia	2L	0.75m
	<i>Carex testacea</i>	carex	2L	0.75m
	<i>Hebe townsonii</i>	hebe	2L	0.75m
	<i>Lamandra 'Tanika'</i>	lamandra	2L	0.75m
	<i>Phormium 'Emerald Green'</i>	dwarf flax	2L	0.75m

Notes:
 - Species are to be planted in isolation to create a diverse and natural-looking buffer.
 - 0.8 Plants per m2 (triangular planting).
 - Hedge to be maintained at a 2.5m high minimum.
 - 2 Plants per m2

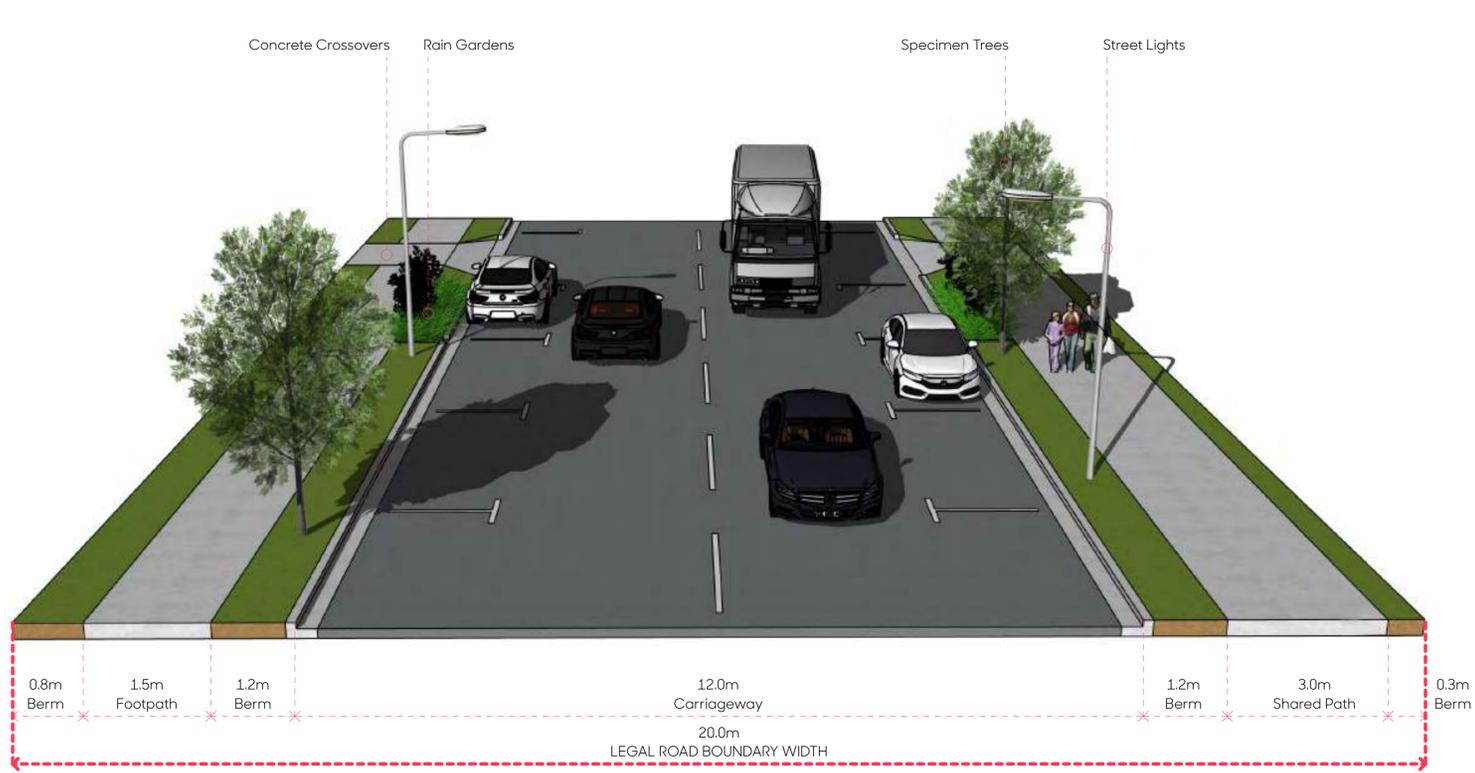
LEGEND

- Boundary Scope of Work
- Specimen Trees w/ Bark Mulch
- Lawn
- Rain Gardens
- Standard Concrete
- Asphalt
- Hoggin Limestone
- Street Light (w/8m radial exclusion zone)



SHEET LOCATION PLAN - NTS



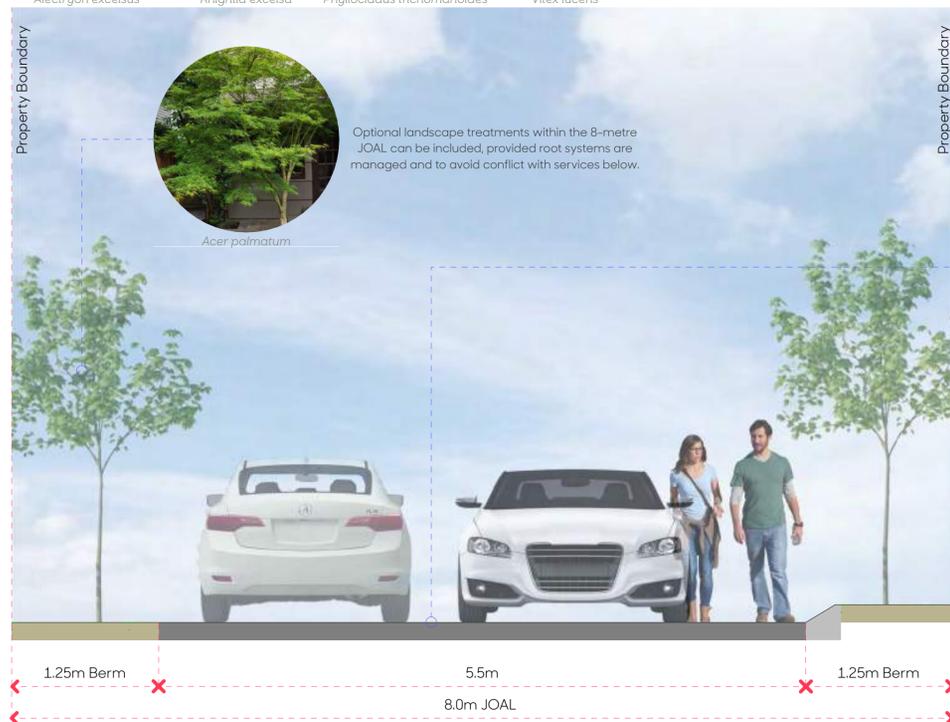


TYPICAL SECTION : 20M ROAD 1:50@A1 / 1:100@A3



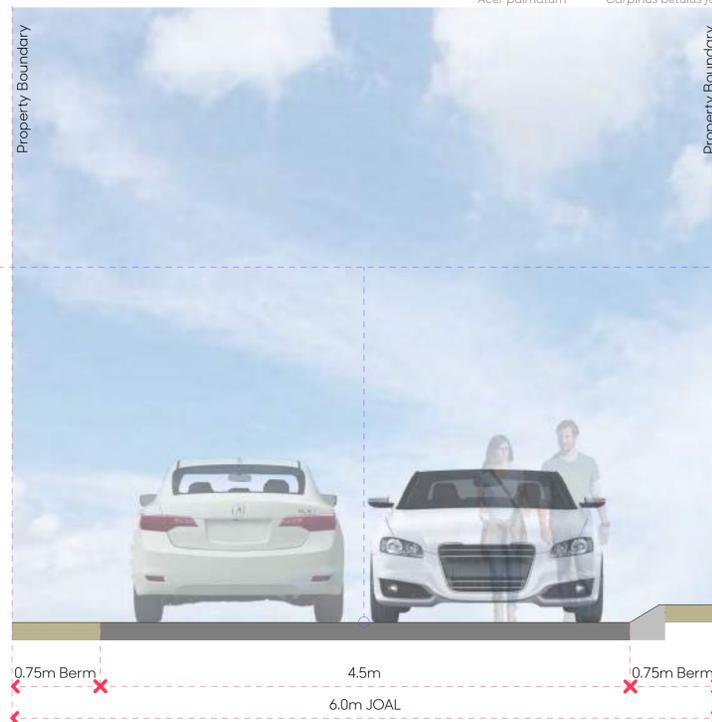
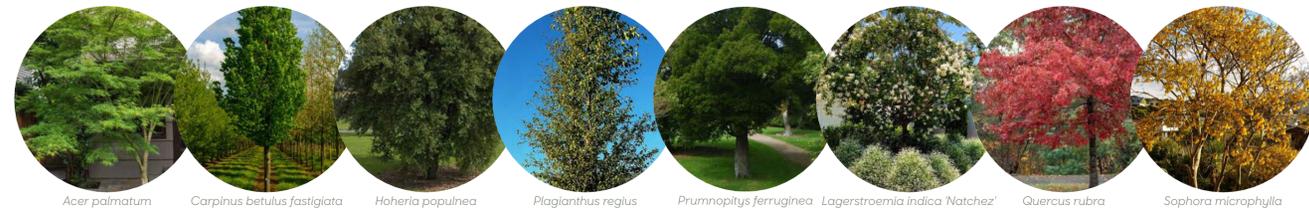
TYPICAL SECTION : 18M ROAD 1:50@A1 / 1:100@A3

SPECIMEN TREES - 20m ROAD

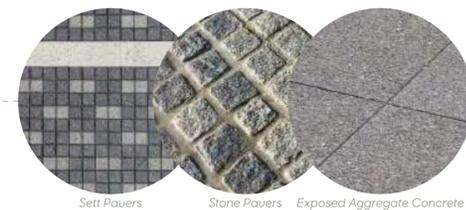


TYPICAL SECTION : 8M WIDE JOAL 1:30@A1 / 1:60@A3

SPECIMEN TREES - 18m ROAD

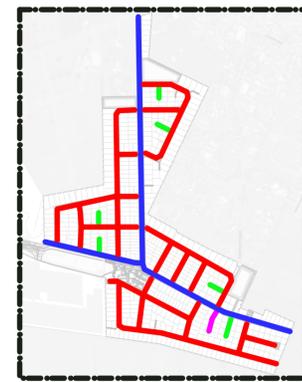


TYPICAL SECTION : 6M WIDE JOAL 1:30@A1 / 1:60@A3



Changing the surface material in small sections of the JOAL at regular intervals helps break up the hard surface and gives the lane a more shared character for both vehicles and pedestrians. The shift in texture naturally slows drivers and supports a lower-speed environment. The materials are durable, easy to maintain, and complement the street's character, with the final selection to be confirmed at the detailed design stage.

NOTE:
- VEGETATION SHOWN AS INDICATIVE
- REFER TO MAVEN ASSOCIATES TYPICAL CROSS SECTIONS FOR MORE DETAIL



LEGEND

- 20M ROAD
- 18M ROAD
- 8M JOAL
- 6M JOAL



TYPICAL SECTION A - A : SW BASIN BOUNDARY TREATMENT 1:30@A1 / 1:60@A3

NOTE:
 - VEGETATION SHOWN AS INDICATIVE
 - PLANTING SHOWN AT 10-YEAR MATURITY (EXPECTED MATURITY TO BE ACHIEVED AT 5-7 YEARS)
 - REFER TO MAVEN ASSOCIATES DOCUMENTATION FOR MORE DETAIL



TYPICAL SECTION B - B : MID HEIGHT BUFFER PLANTING 1:25@A1 / 1:50@A3

NOTE:
 - VEGETATION SHOWN AS INDICATIVE
 - PLANTING SHOWN AT 10-YEAR MATURITY (EXPECTED MATURITY TO BE ACHIEVED AT 5-7 YEARS)

SPECIMEN TREES



Acer palmatum *Alectryon excelsus* *Carpinus betulus fastigiata* *Hoheria populnea* *Knightia excelsa* *Phyllocladus trichomanoides*



Plagianthus regius *Prumnopitys ferruginea* *Lagerstroemia indica 'Natchez'* *Quercus rubra* *Sophora microphylla* *Vitex lucens*

RAIN GARDEN PLANTING MIX



Apodasmia similis *Blechnum novae-zelandiae* *Carex secta* *Coprosma acerosa* *Corokia cotoneaster* *Dianella nigra* *Muehlenbeckia complexa* *Phormium cookianum* *Pseudopanax crassifolius*

BUFFER PLANTING MIX



Cordyline australis *Kunzea robusta* *Leptospermum scoparium* *Myrsine australis* *Phormium cookianum* *Pittosporum crassifolium* *Knightia excelsa* *Sophora microphylla*

AMENITY PLANTING MIX



Coprosma 'Hawera' *Dianella nigra* *Hebe 'Wiri Mist'* *Phormium cookianum*